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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/975,896	10/10/2001	Murtaza Chiba	CISCO-4379	1169

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EXAMINER

CHANG, JUNGWON

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 09/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/975,896

Applicant(s)

CHIBA ET AL.

Examiner

Jungwon Chang

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-49 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-49 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-49 are presented for examination.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 5, 6, 9, 10, 13, 16-18, 21-23, 26-28, 31-33, 36-38, 41-43, 46 and 47 are rejected under 35 U.S.C. 102(e) as being anticipated by Shimizu et al. (US 2002/0009066), hereinafter Shimizu.

3. As to claims 5 and 46, Shimizu discloses a method for generating an extended Vendor Specific Attribute (VSA) (figs. 11, 15, 24, 29; page 7, 0121-0123, 0129) comprising:

determining whether an extended format VSA is desired (ST111, fig. 13; page 7, 0129);

if an extended format VSA is desired, then generating an extended format VSA

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containing at least a Vendor-Type field having a predetermined value and a Vendor-Extended-Type field (figs. 11, 15, 24, 29; page 7, 0121-0123, 0129).

4. As to claim 6, Shimizu discloses wherein said Vendor-Extended-Type field is 32 bits in length (figs. 11, 15, 24, 29).

5. As to claim 9, it is rejected for the same reasons set forth in claim 5 above. In addition, Shimizu discloses instruction (page 12, 0220) and diagrams of algorithm shown in Figs. 2, 6, 7, 13, 19, 21, 26 and 27 that inherently stored in computer readable media such as various type of volatile and nonvolatile memory, i.e., random access memory, read-only memory, and executed by a processor to implement the method for generating the extended Vendor Specific Attribute (figs. 11, 15, 24, 29; page 7, 0121-0123, 0129).

6. As to claims 10, 18, 23, 28, 33, 38, 43 and 47, they are rejected for the same reasons set forth in claim 6 above.

7. As to claim 13, it is rejected for the same reasons set forth in claims 5 and 9 above. In addition, Shimizu discloses wherein said Vendor-Extended-Type field is 32 bits in length (figs. 11, 15, 24, 29).

8. As to claims 16, 21, 26 and 31, Shimizu discloses a method for receiving an

extended Vendor Specific Attribute (VSA) (figs. 11, 15, 24, 29; page 7, 0121-0123, 0129) comprising:

determining whether a received packet contains an extended format VSA (ST111, fig. 13; page 7, 0129);

if said received packet contains an extended format VSA, then reading an extended value contained in a Vendor-Extended-Type field (figs. 11, 15, 24, 29; page 7, 0122-0123; page 8, 0140); and

if said received packet does not contain an extended format VSA, then processing said received packet as normal (processing a normal, i.e., unextended, Binding Request message; page 7, 0121; 0126).

9. As to claim 17, Shimizu discloses determining whether a received packet contains an extended format VSA is performed by examining said received packet to determine whether a Vendor-Type field contains a predetermined value (figs. 11-13; ST111, fig. 13; page 7, 0122-0124, 0126, 0129).

10. As to claims 22, 27, 32, 37 and 42, they are rejected for the same reasons set forth in claim 17 above.

11. As to claims 36 and 41, they are rejected for the same reasons set forth in claim 16 above. In addition, Shimizu discloses instruction (page 12, 0220) and diagrams of algorithm shown in Figs. 2, 6, 7, 13, 19, 21, 26 and 27 that inherently stored in computer

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readable media such as various type of volatile and nonvolatile memory, i.e., random access memory, read-only memory, and executed by a processor to implement the method for generating the extended Vendor Specific Attribute (figs. 11, 15, 24, 29; page 7, 0121-0123, 0129).

Claim Rejections - 35 USC § 103

12. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

13. Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over AAPA (Applicant Admitted Prior Art), in view of Shimizu.

14. As to claim 1, AAPA discloses the invention substantially as claimed, including an apparatus for generating an extended-format Vendor Specific Attribute (VSA) packet (Vendor Specific Extension; page 2, lines 8-17; fig. 1) comprising:

a RADIUS-complaint server (page 2, lines 1-2) for generating a VSA packet (100, fig. 1) including at least a Vendor-Type field (Vendor-Type field of 8 bits; page 2, line 5).

15. AAPA discloses a Vendor Specific Extension (RADIUS protocol allows for extensions via the Vendor Specific attribute; page 2, lines 8-17); and value (Value, fig.

1; page 2, lines 6-7). However, AAPA does not specifically disclose VSA packet includes a Vendor-Extended-Type field if said Vendor-Type field contains a predetermined value. Shimizu discloses VSA packet includes a Vendor-Extended-Type field if said Vendor-Type field contains a predetermined value (page 7, 0121-0123, 0129). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of AAPA and Shimizu because Shimizu's Vendor Extended type field containing a predetermined value would allow the server to efficiently determine that the packet contains an extended portion (page 7, 0129).

16. As to claims 2-4, AAPA discloses a Vendor Specific Extension (RADIUS protocol allows for extensions via the Vendor Specific attribute; page 2, lines 8-17); and <Type><Length><Vendor-ID><Vendor-Type><Length><value>: Type= 8bits; Length= 8bits; Vendor-ID = 32 bits; Vendor-Type= 8bits; Length= 8bits; and Value= 1 or more bytes (fig. 1; page 2, lines 3-7). However, AAPA does not specifically disclose Vendor-Extended-Type. Shimizu discloses Vendor-Extended-Type (figs. 11, 15, 24, 29; page 7, 0122; page 8, 0140). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of AAPA and Shimizu because Shimizu's Vendor-Extended-Type would increase the capacity of the Vendor Specific Packet.

17. Claims 7, 8, 11, 12, 14, 15, 19, 20, 24, 25, 29, 30, 34, 35, 39, 40, 44, 45, 48 and 49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shimizu in view of

AAPA (Applicant Admitted Prior Art).

18. As to claims 7, 8, 11, 12, 14, 15, 19, 20, 24, 25, 29, 30, 34, 35, 39, 40, 44, 45, 48 and 49, Shimizu discloses said VSA packet has a field sequence of
<Type><Length><Vendor-ID> Vendor-Extended-type>{<Flags>+}{[<tag>][<Salt>...]
<value> (figs. 11, 15, 24, 29). However, Shimizu does not specifically disclose <Vendor-
Type><Length>. AAPA discloses <Vendor-Type><Length> (fig. 1; page 2, lines 3-7). It
would have been obvious to one of ordinary skill in the art at the time the invention was
made to combine the teachings of Shimizu and AAPA because AAPA's Vendor-Type
and Length attributes would increase the capacity of the Vendor Specific Packet.

Conclusion

19. The prior art made of record and not relied upon is considered pertinent to
applicant's disclosure:

Dommety et al, Mobile IP Vendor/Organization-Specific Extensions, RCF 3115, April
2001.

Wenzel et al, US 2002/0012339, Trachewsky et al, US 2003/0206559, Tateyama et al,
US 2003/0158979, Fischer et al, US 2002/0163932 disclose a method and system for
two types of vendor-specific extensions: vendor specific short frame format, and vendor
specific long frame format.

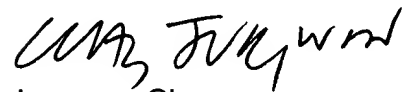
20. Any inquiry concerning this communication or earlier communications from the

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examiner should be directed to Jungwon Chang whose telephone number is 571-272-3960. The examiner can normally be reached on 9:30-6:00 (Monday-Friday).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on 571-272-3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Jungwon Chang
September 23, 2005